

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Donoho *et al.*

Prior Group Art Unit: 1652

Application No.: To be assigned  
Parent Application Serial Number 09/765,068

Prior Application Examiner:  
M. Monshipouri

Filed: Concurrently Herewith

Attorney Docket No.: LEX-0489-USA

Title: Novel Human Kinase Protein and  
Polynucleotides Encoding the Same

**REQUEST TO MAKE PRIOR ART FROM PREVIOUS APPLICATION OF RECORD**

Commissioner for Patents  
Alexandria, VA 22313

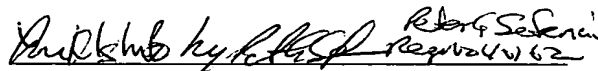
Sir:

The present paper constitutes Applicants' compliance with their duty of disclosure under 37 C.F.R. § 1.56. Please make all prior art of record in parent application Serial No. 09/765,068, filed January 18, 2001, of record in the present case, including that cited by the Office and Applicants. As a courtesy, copies of the Form PTO-1449s from the prior application are included herewith as **Exhibit A**.

Respectfully submitted,

April 21, 2004

Date

 Lance K. Ishimoto  
Reg. No. 41,866

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Attorney for Applicants

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	09/765,068		
		Filing Date	January 18, 2001		
		First Named Inventor	Donoho, Gregory		
		Group Art Unit	1645		
Examiner Name	To Be Assigned				
Sheet	1	of	3	Attorney Docket Number	LEX-0119-USA

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	AA	4,215,051		Schroeder et al	07/29/80	
	AB	4,376,110		David et al	03/08/83	
	AC	4,594,595		Struckman	06/10/86	
	AD	4,631,211		Houghten	12/23/86	
	AE	4,689,405		Frank et al	08/25/87	
	AF	4,713,326		Dattagupta et al	12/15/87	
	AG	4,946,778		Ladner et al	08/07/90	
	AH	5,252,743		Barrett et al	10/12/93	
	AI	5,424,186		Fodor et al	06/13/95	
	AJ	5,445,934		Fodor et al	08/29/95	
	AK	5,459,127		Felgner et al	10/17/95	
	AL	5,556,752		Lockhart et al	09/17/96	
	AM	5,700,637		Southern	12/23/97	
	AN	5,744,305		Fodor et al	04/28/98	
	AO	5,756,289		Hoekstra	05/26/98	
	AP	5,817,479		Au-Young et al	10/06/98	
	AQ	5,830,721		Stemmer et al	11/03/98	
	AR	5,837,458		Minshull et al	11/17/98	
	AS	5,869,336		Meyer et al.	02/09/99	
	AT	5,877,397		Lonberg et al	03/02/99	
	AU	5,948,767		Scheule et al.	09/07/99	
	AV	6,075,181		Kucherlapati et al	06/13/00	
	AW	6,110,490		Thierry	08/29/00	
	AX	6,150,584		Kucherlapati et al.	11/21/00	

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				First Named Inventor	Donoho, Gregory
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	AY	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.	
	AZ	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.	
	BA	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.	
	BB	Gautier et al, 1987, "α-DNA IV: α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.	
	BC	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.	
	BD	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.	
	BE	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.	
	BF	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", FEBS Letters 215(2):327-330.	
	BG	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.	
	BH	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.	
	BI	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.	
	BJ	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.	
	BK	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.	
	BL	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster apt Gene", Cell 22:817-823.	
	BM	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.	
	BN	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.	
	BO	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.	
	BP	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.	
	BQ	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.	
	BR	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.	
	BS	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.	
	BT	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.	
	BU	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.	
	BV	Stein et al, 1988, "Physicochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.	
	BW	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.	

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		Filing Date	January 18, 2001		
		First Named Inventor	Donoho, Gregory		
		Group Art Unit	1645		
		Examiner Name	To Be Assigned		
Sheet	3	of	3	Attorney Docket Number	LEX-0119-USA

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	BX	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.	
	BY	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.	
	BZ	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.	
	CA	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232.	
	CB	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.	

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		Filing Date	January 18, 2001
		First Named Inventor	Donoho, Gregory
		Group Art Unit	1645
		Examiner Name	To Be Assigned
Sheets	1 of 1 <i>(use as many sheets as necessary)</i>	Attorney Docket Number	LEX-0119-USA

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Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		AA	WO 94 17189 A		Salk Institute for Biological Studies	08-04-1994		

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	AB	ZHAI ET AL.: "Rattus norvegicus casein kinase 1 gamma 1 isoform mRNA, complete cds." EMBL SEQUENCE DATABASE, 10 June 1995, XP002171562, Heidelberg DE AC U22296	
	AC	ZHAI ET AL.: "Casein kinase I, gamma I isoform (EC 2.7.1.-) (CKI-gamma I)" SWISSPROT SEQUENCE DATA BASE, 15 July 1998, XP002171563 Ac Q62761 & JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 270, no. 21, 26 May 1995 pgs 12717-12724	
	AD	KUSUDA ET AL.: "Homo sapiens CSNK1G1L mRNA for casein kinase 1 gamma 1, complete cds." EMBL SEQUENCE DATABASE, 14 November 2000 XP002171565 HEIDELBERG DE Ac AB042563	
	AE	KUSUDA ET AL.: "Homo sapiens CSNK1G1L mRNA for casein kinase 1 gamma 1, complete cds." EMBL sequence database, 14 November 2000 XP002171565 HEIDELBERG DE Ac AB042562 & CYTOGENET. CELL GENET., vol. 90, 2000, pages 298-302.	

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